

SECRET**PRIORITY**

OUT 64749

1968 APR 3 19 38Z

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 FM NPIC WASHDC
 TO AIG NINE SEVEN FIVE
 BT
 S E C R E T CITE NPIC 3402
 MISSION GL G-020

PREFACE

03 APR 68

(TEXT IDENTICAL WITH GL G-020 PREFACE 03 APR 68)

S E C R E T

END OF MESSAGE

(SIG CEN NOTE: ABOVE MSG ALSO PASSED)

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13 APR 68 OUT64749

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-020, 30 MARCH 68. THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMIREX TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS -- C @CLEAR, SC @SCATTERED CLOUD COVER, HC @HEAVY CLOUD COVER, H @HAZE, CS @CLOUD SHADOW, SD @SEMI-DARKNESS, GC @GROUND COVER, CF @CAMOUFLAGE, O @OBLIQUITY, AND GR @GROUND RESOLUTION. INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G @GOOD, F @FAIR, OR P @POOR. THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T @TOTAL OR PT @PARTIAL. THE MODE OF COVERAGE IS SIGNIFIED BY ST @STEREO, NS @NONSTEREO, OR PS @PARTIAL STEREO.

THOSE TARGETS WHICH REFLECT NO SIGNIFICANT CHANGE IN FACILITIES FROM THE MOST ADEQUATE PREVIOUS MISSION WILL CARRY THE APPROPRIATE MISSION NUMBER AND DATE, PREFIXED BY THE LETTERS NAC, AS THE LAST ENTRY ON THE PHOTO REFERENCE LINE.

SUMMARY

GLASS LAMP MISSION G-020, 30 MARCH 1968, PROVIDES POOR PHOTOGRAPHIC COVERAGE OF WESTERN CUBA WITH APPROXIMATELY 70 PERCENT CLOUD COVER. OF THE 184 COMIREX TARGETS PRESENTLY LISTED IN CUBA, 84 ARE COVERED ON THIS MISSION. THIRTY-TWO OF THESE ARE IDENTIFIED ONLY AND CANNOT BE INTERPRETED.

EIGHT SAM SITES, TWO SAM ASSEMBLY AREAS, TWO CRUISE MISSILE SITES, AND ONE CRUISE MISSILE STORAGE AREA ARE OBSERVED. AIR, NAVAL, AND GROUND ACTIVITY APPEAR NORMAL THROUGHOUT THE AREA OF COVERAGE.

MISSILES

ALQUIZAR SAM SITE A30-2 CU 224911N 0823836W

25X1

SITE APPEARS OCCUPIED.

25X1

CAMPO FLORIDO SAM SITE A07-2 CU 230917N 0820222W

25X1

OB -- 6 EMPLACED LAUNCHERS @4 WITH MISSILES, 10 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 6 VAN TRAILERS AND SHED-COVERED EQUIPMENT, AN ACQUISITION RADAR AND GENERATOR, 13 CARGO TRUCKS, AND 14 OTHER VEHICLES.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

GUARASAM SITE A29-2 CU 224842N 0821339W

25X1

OB -- 6 EMPLACED LAUNCHERS @2 WITH MISSILES, 12 MISSILE TRANSPORTERS, 1 SPOONREST ACQUISITION RADAR WITH GENERATOR VAN, 11 ZIL-157V TRUCK TRACTORS, 9 TRACKED PRIME MOVERS, AND 11 CARGO TRUCKS.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

LA CACHIMBA SAM SITE A12-2 CU 224502N 0822716W

25X1

OB -- 2 EMPLACED LAUNCHERS, 11 MISSILE TRANSPORTERS, 12 ZIL-157V TRUCK TRACTORS, AND 5 OTHER VEHICLES.

SITE APPEARS PARTIALLY VACATED.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

LA SALUD SAM SITE A04-2 CU 225305N 0822441W

25X1

OB -- 5 EMPLACED LAUNCHERS, 9 MISSILE TRANSPORTERS, 3 VAN TRAILERS IN CENTRAL GUIDANCE AREA, AN ACQUISITION RADAR WITH ASSOCIATED EQUIPMENT, 9 TRACKED PRIME MOVERS, 10 ZIL-157V TRUCK TRACTORS,

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

MANAGUA SAM SITE A25-2 CU 225942N 0821558W

25X1

OB -- 4 EMPLACED LAUNCHERS, 9 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, AN ACQUISITION RADAR WITH ASSOCIATED GENERATOR VAN, 4 CARGO TRUCKS, 9 TRACKED PRIME MOVERS, AND 10 OTHER VEHICLES.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

TORRENS SAM ASSEMBLY AREA CU 225748N 0822753W

25X1

OB -- 1 MISSILE ON DOLLY, 3 MISSILE TRANSPORTERS, AND APPROXIMATELY 30 MISSILE CANISTERS.

1 STORAGE-TYPE BUILDING UNDER CONSTRUCTION. ROAD RESURFACING IN PROGRESS.

25X1

LA CATALINA SAM SITE A34-2 CU 225818N 0820011W

25X1

OB -- 5 EMPLACED LAUNCHERS 01 WITH MISSILES, 2 PROBABLE MISSILE TRANSPORTERS, AN OCCUPIED CENTRAL GUIDANCE AREA, AND 18 OTHER VEHICLES.

ACTIVITY -- 2 OCCUPIED 6-GUN AAA SITES.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTIAGO DE LAS VEGAS SAM ASSEMBLY AREA CU 225740N 0822130W

25X1

OB -- 2 MISSILES ON DOLLIES, 5 MISSILE TRANSPORTERS, 20 VEHICLES, AND APPROXIMATELY 100 MISSILE CANISTERS.

NO APPARENT CHANGE IN FACILITIES.

25X1

SANTA FE SAM SITE A30-2 CU 214701N 0825010W

25X1

OB -- 6 EMPLACED LAUNCHERS, 3 MISSILE TRANSPORTERS, AN OCCUPIED CENTRAL GUIDANCE AREA, AND 4 VEHICLES/PIECES OF EQUIPMENT.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

SANTA CRUZ DEL NORTE CRUISE-MISSILE SITE CU 2309//N 08156//W

25X1

OB -- NONE OBSERVED.

ACTIVITY -- 8 CARGO TRUCKS, 2 VAN TRUCKS, AND 1 VAN TRAILER.

25X1

SAN JOSE DE LAS LAJAS CRUISE-MSL STORAGE CU 225510N 0821007W

25X1

OB -- 4 SAMLET LAUNCHERS, 4 POSSIBLE SAMLET LAUNCHERS, 4 SALISH TRANSPORTERS, 1 POSSIBLE SALISH TRANSPORTER, 5 SALISH RESUPPLY VEHICLES, 24 PROBABLE SAMLET TRANSPORTERS, 25 CARGO TRUCKS, AND AT LEAST 60 OTHER VEHICLES.

NO APPARENT CHANGE IN FACILITIES.

25X1

GUANABO CRUISE-MISSILE SITE CU 231025N 0820350W

25X1

83-C

OB -- NONE OBSERVED.

NO APPARENT CHANGE IN FACILITIES.

25X1

AIR FACILITIES

SIGUANEA AIRFIELD CU 213834N 0825720W

25X1

190-D

OB -- NONE OBSERVED.

25X1

KANAME AIRFIELD CU 230735N 0811750W

25X1

OB -- NONE OBSERVED.

SAN ANTONIO DE LOS BANOS AIRFIELD CU 225210N 0823034W

164

25X1

OB -- 26 FISHBED, 7 FARMER, 10 FAGOT/FRESCO, AND 1 HOUND.
CONSTRUCTION OF RUNWAY EXTENSION AND LINK TAXIWAYS CONTINUES.
CLEARINGS FOR FOUR AIRCRAFT HANGARETTES HAVE BEEN PREPARED.

25X1

SAN JULIAN AIRFIELD CU 220542N 0840907W

18

25X1

OB -- 11 COLT, 20 ZLIN TRENER, 3 LIAISON TYPE, AND 1 HOUND.

25X1

JOSE MARTI INTERNATIONAL AIRFIELD CU 225922N 0822427W

86-I

25X1

OB -- 2 FISHBED, 1 CLEAT, 2 BRITANNIA/COOT, 1 C-54, 2 COKE, 11
CRATE, AND 3 PROBABLE C-47.

25X1

NAVAL ACTIVITY/PORTS

SIGUAMEA NAVAL BASE CU 213658N 0825846W

190-J

25X1

OB -- NONE OBSERVED.

25X1

CARDENAS PORT CU 230254N 0811143W

31-C

25X1

VESSELS -- 2 FREIGHTERS.

25X1

MATANZAS PORT FACILITIES CU 230340N 0813305W

120-F

25X1

VESSELS -- 5 LARGE FREIGHTERS.

25X1

SURGIDERO DE BATABANO PORT FACILITY CU 224105N 0821745W

21

25X1

VESSELS -- NONE OBSERVED.

25X1

LA HABANA PORT FACILITIES CU 230750N 0822050W

86

25X1

OB -- 1 PF, 1 PROBABLE PCE, 1 KRONSTADT PC, 2 PROBABLE S.O.1 SC,
10 KOROR PTG SIX IN FLOATING DRYDOCK AND 2 ON MARINE RAILWAY, AND
4 PROBABLE P-4 PT.

OTHER VESSELS -- 17 FREIGHTERS, 5 COASTAL FREIGHTERS, AND 5
TANKERS.

25X1

ELECTRONICS/COMMUNICATIONS

SAN ANTONIO DE LOS BANOS AW RADAR FAC 2 CU 2253//N 08230//W

0586 164-H1

OB -- 1 TOKEN CONFIGURED RADAR AND FOUR OTHER VEHICLES/PIECES OF
EQUIPMENT.

25X1

SAN JULIAN RADAR FAC AFLD GUANE CU 220625N 0840918W

18-D

25X1

OB -- 1 TOKEN-CONFIGURED RADAR.

25X1

CARDENAS RADAR FAC HICACOS PENINSULA CU 231147N 0810825W

201-E

25X1

OB -- NONE OBSERVED.

25X1

SANTA CRUZ DEL NORTE AW RADAR FACILITY CU 230842N 0815554W

214-F

25X1

OB -- 1 TOKEN-TYPE RADAR, 1 OTHER RADAR ON MOUND, 5 VAN TRUCKS, AND
1 VAN TRAILER.

25X1

SANTA CRUZ DEL NORTE TALL KING-AW RDR FAC CU 230803N 0815813W

0586 214-G

OB -- 1 PROBABLE TALL KING RADAR.

86-21 25X1

OB -- APPROXIMATELY 44 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE LAS VEGAS MILITARY CAMP CU 225800N 0822020W
425-C 25X1

OB -- 1 FROG TRANSPORTER, 60 TRUCKS, 34 CANVAS-COVERED VEHICLES,
AND 10 OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES.

25X1

SANTIAGO DE LAS VEGAS MIL CAMP CU 225730N 0822320W
425-F 25X1

OB -- NONE OBSERVED.
NEW CONSTRUCTION CONSISTS OF AN UNDERGROUND STORAGE BUNKER JUST
NORTH OF THE CAMP AND 5 BUILDINGS IN CAMP.

25X1

LOURDES MILITARY CAMP TORRENS CU 225919N 0822759W
458 25X1

OB -- 45 CARGO TRUCKS AND 20 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1

GUANABACOA FIELD ARTILLERY BN HQ CU 230802N 0821038W
395-A 25X1

OB -- 12 VEHICLES.
NO APPARENT CHANGE IN FACILITIES.

25X1

BEJUCAL UG STORAGE AREA SE CU 225436N 0822142W
320-C 25X1

OB -- 19 TANKS/SP GUNS, 39 CARGO TRUCKS, AND 3 UTILITY TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

CAMPO FLORIDO MILITARY CAMP EAST CU 230722N 0820704W
445-A 25X1

OB -- 12 POSSIBLE TANKS/SP GUNS.
NO APPARENT CHANGE IN FACILITIES.

25X1

CAMPO FLORIDO MILITARY CAMP WSW CU 230617N 0821110W
445 25X1

OB -- 100 VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN FACILITIES.

25X1

LA FLORA MILITARY CAMP CU 225243N 0823350W

25X1

OB -- AT LEAST 21 FA/AAA PIECES, 50 BTR-60P, 48 CARGO TRUCKS, AND
27 OTHER VEHICLES.
NEW CONSTRUCTION CONSISTS OF 12 BARRACKS, 2 ADMINISTRATION
BUILDINGS, 8 OTHER BUILDINGS, A PARADE GROUND PROBABLY ASPHALT,
AND NEW ACCESS ROADS.

25X1

LIMONAR MILITARY CAMP CAMPO DE TIRO SE CU 225555N 0812420W
430-C 25X1

OB -- 21 TANKS/SP GUNS, 12 AAA PIECES, AND 7 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1

LIMONAR MILITARY TRAINING AREA CU 225405N 0812150W
430-D 25X1

OB -- 39 VEHICLES/PIECES OF EQUIPMENT.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN FACILITIES.

25X1

LOMAS DE TETAS CU 225800N 0821910W

MANAGUA MILITARY CAMP CU 225805N 0821710W 25X1

111
OB -- 8 TANKS/SP GUNS, 6 MISSILE CANISTER TRANSPORTERS, 16 VAN
TRUCKS, 36 CARGO TRUCKS, 10 UTILITY TRUCKS, AND 185 OTHER VEHICLES.
ACTIVITY -- 3 COLT AND 2 HOUND.
NO APPARENT CHANGE IN FACILITIES. 25X1

MINAS MILITARY CAMP JESUS MARIA FINCA CU 230635N 0821151W 25X1

459-A
OB -- 9 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES. 25X1

NAZARENO MILITARY CAMP CU 225750N 0821355W 25X1

431
OB -- 11 TANKS, 3 POSSIBLE TANKS, 9 POSSIBLE BTR-60P, AND 14 OTHER
VEHICLES. 25X1

SAN ANTONIO DE LOS BANOS MILITARY CAMP NE CU 225400N 0822948W 25X1

164-J
OB -- 64 CARGO TRUCKS AND AT LEAST 15 OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES. 25X1

CHORRERA DE MANAGUA MILITARY CAMP W CU 230216N 0821951W 25X1

0586 316-D
OB -- 30 VEHICLES OBSERVED.
NO APPARENT CHANGE IN FACILITIES. 25X1

ALQUIZAR MILITARY CAMP N CU 225124N 0823406W 25X1

13-J
OB -- 27 TANKS/SP GUNS AND 5 OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES. 25X1

MATANZAS MILITARY INSTALLATION SAN MARTIN CU 230100N 0813101W 25X1

120-Q
OB -- 14 FA PIECES, 4 PROBABLE AAA PIECES, 27 CARGO TRUCKS, AND AT
LEAST 7 OTHER VEHICLES.
ACTIVITY -- 1 OCCUPIED 3-GUN AAA SITE.
NO APPARENT CHANGE IN FACILITIES. 25X1

SPECIAL AREA WHITE CU 2254//N 08232//W 25X1

SPECIAL AREA PURPLE CU 2254//N 08228//W 25X1

TARARA LANDING BEACH CU 231030N 0821120W 25X1

MATANZAS LANDING BEACH CU 2301//N 08126//W 25X1

PENINSULA DE HICACOS LANDING BEACH CU 2311//N 08130//W 25X1

0586 201-F